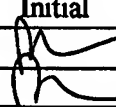
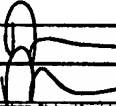











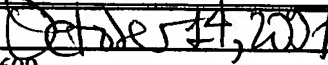
 FORM PTO-1449 INFORMATION DISCLOSURE CITATION					Atty Docket	Serial No.
					LU 6084 (US)	10/538,540
					Applicant	
					Shahram Miham et al.	
Filing Date					Group Art Unit	
June 10, 2005					1713	

U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Issue Date	Name	Class	Sub-Class	Filing Date
	AA	6,420,507	07/16/02	Kale et al.			
	AB	6,723,675	04/20/04	Wang			

FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Sub-Class	Translation
	AC	899,278	03/03/99	EP			
	AD	608,369	08/03/94	EP			

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)		
	AE	G. Kraus et al., "A Method for Characterization of Long-Chain Branched Polymers by GPC and Intrinsic Viscosity," <u>J. Polymer Sci.: Symposium No. 43</u> , p. 329-343 (1973)
	AF	M. Pollard et al., "Observation of Chain Branching in Polyethylene in the Solid State and Melt via ¹³ C NMR Spectroscopy and Melt NMR Relaxation Time Measurements," <u>Macromolecules</u> , Vol. 37(3), p. 813,825 (2004)
	AG	R. Koopmans, "Extrudate Swell of High Density Polyethylene. Part I: Aspects of Molecular Structure and Rheological Characterization Methods," <u>Polymer Engineering and Science</u> , Vol. 32(23), p. 1741-1749 (1992)
	AH	J. Vega et al., "Small-Amplitude Oscillatory Shear Flow Measurements as a Tool To Detect Very Low Amounts of Long Chain Branching in Polyethylenes," <u>Macromolecules</u> , Vol. 31(11), p. 3639-3647 (1998)
	AI	P. Wood-Adams et al., "Effect of Molecular Structure on the Linear Viscoelastic Behavior of Polyethylene," <u>Macromolecules</u> , Vol. 33(20), p. 7489-7499 (2000)
	AJ	C. Piel et al., "Structure-Property Relationships of Linear and Long-Chain Branched Metallocene High-Density Polyethylenes Characterized by Shear Rheology and SEC-MALLS," <u>Macromolecular Chemistry and Physics</u> , Vol. 207, p. 26-38 (2006)
	AK	W. Kaminsky et al., "Polymerization of Ethene and Longer Chained Olefins by Metallocene Catalysis," <u>Macromol. Symp.</u> , Vol. 226, p. 25-34 (2005)
	AL	K. Klimke et al., "Optimisation and Application of Polyolefin Branch Quantification by Melt-State ¹³ C NMR Spectroscopy," <u>Macromol. Chem. Phys.</u> , Vol. 207, p. 382-395 (2006)
	AM	S. Bin Wadud et al., "Shear and extensional rheology of sparsely branched metallocene-catalyzed polyethylenes," <u>J. Rheol.</u> , Vol. 44(5), p. 1151-1167 (2000)
	AN	D. Yan et al., "Effect of long chain branching on rheological properties of metallocene polyethylene," <u>Polymer</u> , Vol. 40, p. 1737-1744 (1999)
	AO	F. Stadler et al., "Influence of type and content of very long comonomers on long-chain branching of ethene/ α -olefin copolymers," <u>Macromolecules</u> , Vol. 39(4), p. 1474-1500 (2006)

Examine	Date Considered
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.	 October 14, 2007

FORM PTO-1449

Atty Docket
LU 6084 (US)Serial No.
10/538,540

INFORMATION DISCLOSURE CITATION

Applicant

Shahram Milham et al.

Filing Date
June 10, 2005Group Art Unit
1713

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	BA	J. Janzen et al., "Diagnosing long-chain branching in polyethylenes," <u>Journal of Molecular Structure</u> , Vol. 485-486, p. 569-584 (1999)
	BB	C. Gabriel et al., "Analytical and rheological characterization of long-chain branched metallocene-catalyzed ethylene homopolymers," <u>Polymer</u> , Vol. 43, p. 6383-6390 (2002)
	BC	B. Zimm et al., "The Dimension of Chain Molecules Containing Branches and Rings," <u>The Journal of Chemical Physics</u> , Vol. 17(12), p. 1301-1314 (1949)
	BD	Barth, H. G., & Mays, J. W. (1991). <u>Modern methods of polymer characterization</u> . Chemical analysis, v. 113. New York: Wiley.
	BE	N. Hadjichristidis et al., "Well-Defined, Model Long Chain Branched Polyethylene. 1. Synthesis and Characterization," <u>Macromolecules</u> , Vol. 33(7), p. 2424-2436 (2000)
	BF	E. Kokko et al., "Long-Chain Branched Polyethylene via Metallocene-Catalysis: Comparison of Catalysts," Contribution in <u>Organometallic Catalysts and Olefin Polymerization</u> by R. Blom et al., p. 335-345 (2001)
	BG	J. Stange et al., "Rheological behavior of blends from a linear and a long-chain branched polypropylene," <u>J. Rheol.</u> , Vol. 49(5), p. 1059-1079 (2005)
	BH	H. Münstedt et al., "Rheological measuring techniques and their relevance for the molecular characterization of polymers," <u>J. Non-Newtonian Fluid Mech.</u> , Vol. 128, p. 1-8 (2005)
	BI	T. McLeish et al., "Molecular constitutive equations for a class of branched polymer: The pom-pom polymer," <u>J. Rheol.</u> , Vol. 42(1), p. 81-110 (1998)
	BJ	I. Vittorias et al., "Detection and quantification of industrial polyethylene branching topologies via Fourier-transform rheology, NMR and simulation using the Pom-pom model," <u>Rheol. Acta</u> , Vol. 46, p. 321-340 (2007)
	BK	E. van Ruymbeke et al., "A sensitive method to detect very low levels of long chain branching from the molar mass distribution and linear viscoelastic response," <u>J. Rheol.</u> , Vol. 49(6), p. 1-18 (2005)
	BL	S. Trinkle et al., "Van Gorp-Palmen Plot II-classification of long chain branched polymers by their topology," <u>Rheol Acta</u> , Vol. 41, p. 103-113 (2002)
	BM	D. Lohse et al., "Well-Defined, Model Long Chain Branched Polyethylene. 2. Melt Rheological Behavior," <u>Macromolecules</u> , Vol. 35(8), p. 3066-3075 (2002)
	BN	C. Gabriel et al., "Influence of long-chain branches in polyethylenes on linear viscoelastic flow properties in shear," <u>Rheol Acta</u> , Vol. 41, p. 232-244 (2002)
	BO	B. Bersted et al., "Prediction of Rheological Behavior of Branched Polyethylene from Molecular Structure," <u>Journal of Applied Polymer Science</u> , Vol. 26, p. 1001-1014 (1981)
	BP	B. Bersted, "On the Effects of Very Low Levels of Long Chain Branching on Rheological Behavior in Polyethylene," <u>J. of Applied Polymer Science</u> , Vol. 30, p. 3751-3765 (1985)

Examine

Date Considered

EXAMINER: Initial if reference considered; whether or not citation is in conformance with MPEP § 609.

Draw line through citation if not in conformance and not considered.

Include copy of this form with next communication to Applicant.

FORM PTO-1449 INFORMATION DISCLOSURE CITATION		Atty Docket LU 6084 (US)	Serial No. 10/538,540
		Applicant Shahram Mihan et al.	
		Filing Date June 10, 2005	Group Art Unit 1713
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
A	CA		H. Park et al., "Influence of long-chain branching on time-pressure and time-temperature shift factors for polystyrene and polyethylene," <u>Rheol Acta</u> , Vol. 46, p. 153-159 (2006)
A	CB		C. Gabriel et al., "Influence of molecular structure on rheological properties of polyethylenes," <u>Rheol Acta</u> , Vol. 37, p. 7-20 (1998)
A	CC		G. Schlatter et al., "Fourier Transform Rheology of Branched Polyethylene: Experiments and Models for Assessing the Macromolecular Architecture," <u>Macromolecules</u> , Vol. 38, p. 6492-6544 (2005)
A	CD		H. Münstedt et al., "Influence of molecular structure on rheological properties of polyethylenes; Part II. Elongational behavior," <u>Rheol Acta</u> , Vol. 37, p. 21-29 (1998)
A	CE		I. Vittorias et al., "Detection of Long-Chain Branching in Polyolefins via Fourier-Transform Rheology and Finite Element Simulations," <u>Macromol. Mat. Eng.</u> , p. 115-120 (2007)
A	CF		G. Georgiou, "Stick-Slip Instability," <u>Polymer Processing Instabilities</u> edited by S. Hatzikiriakos & S. Migler, Dekker, NY, p. 161-206 (2005)
A	CG		S. Wang et al., "Exploring molecular origins of sharkskin, partial slip, and slope change in flow curves of linear low density polyethylene," <u>J. Rheol.</u> , Vol. 40(5), p. 875-898 (1996)
A	CH		S. Wang et al., Stick-slip transition in capillary flow of linear polyethylene: 3. Surface conditions," <u>Rheol Acta</u> , Vol. 36, p. 128-134 (1997)
Examine		Date Considered <u>June 14, 2007</u>	
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.			